

## ABSTRACT

~~Process-~~ A process for non coherent DP-MOK reception with combination of multiple paths and corresponding receiver. ~~According to the invention,~~ The process includes demodulation of orthogonal signals (MOK) which is combined with a differential phase demodulation (DP) and diversity processing related to multiple paths in the radiofrequency channel. Diversity processing is achieved making use of differential demodulation by calculating a weighting factor, this factor then being used in the MOK part (before selecting and switching) and in the DP part to correct the calculated energy. ~~Applications for digital transmissions.~~

~~Figure 7.~~